Data Sheet
Fujitsu PRIMERGY TX100 S3 Server

Enter the world of PRIMERGY TX servers

PRIMERGY TX tower servers are ideal for use in SMEs or branch offices. They increase operational efficiency by providing rock solid, record-breaking, energy efficient performance. That performance is built on 20-years of pioneering work in Green IT. As a customer, you benefit from a reduction in your organization's environmental impact and lower running costs. The reliability is proven by testing the machines through 5000 boot cycles far more than other vendors do. PRIMERGY TX servers are also easy to manage via the PRIMERGY ServerView Suite, reducing IT admin workload and costs. Plus, tower to rack conversion kits are available for most TX systems, ensuring investment protection.

PRIMERGY TX100 S3

The PRIMERGY TX100 S3 is ideal for SMEs, looking for a first server with Intel® Xeon® support. With a maximum of 32GB of RAM, and excellent processor performance, it offers more than enough performance for all classic server tasks, such as file, print, web or office applications. The dual onboard gigabit LAN, makes it easier to do business 24x7. Moreover, the TX100 S3 is incredibly silent making it an excellent choice for any office environment. With its optional zero Watt functionality and a choice of two highly efficient power supply units, the TX100 S3 minimizes costs and the environmental impact.

Features and Benefits

Main Features	Benefits
■ An excellent first server for SMEs looking for Intel® Xeon® support and up to 32GB of RAM	■ Great price-performance ratio - ideal for all classic server tasks like file, print, web or office applications
■ Choose between a power supply unit (PSU) with 85% efficiency or with 94% energy efficiency and 0-Watt functionality	■ Benefit from Fujitsu's pioneering experience in Green IT - save money and minimize the environmental impact
■ Low noise levels	■ Effective air flow design ensures a silent system for an ergonomic working environment.
■ Dual onboard gigabit LAN, ECC memory and optional SATA RAID 5/6 with BBU	■ Keep business processes going - 24x7
■ Halogen-free printed circuit board	■ For environmentally friendly waste disposal

Technical details

PRIMERGY TX100 S3		
Housing type	Tower	Tower
Hard disk architecture	4x 3.5" SATA	4x 3.5" SATA
Power supply	Standard	Standard (0-Watt)
Mainboard		
Mainboard type	D 3009	
Chipset	Intel® C200	
Processor quantity and type	1 x Intel® Core™ i3 processor / Intel® Pentium® processor / Intel® Xeon® processor E3 series	
Processor	Intel® Core™ i3-2100 processor (2C/4T, 3.10 GHz, TLC: 3 MB, Turbo: No, 1333 MHz, 65 W)	
	Intel® Core™ i3-2120 processor (2C/4T, 3.30 GHz, TLC: 3 MB, Turbo: No, 1333 MHz, 65 W)	
	Intel® Pentium® processor G620 (2C/2T, 2.60 GHz, TLC: 3 MB, Turbo: No, 1066 MHz, 65 W)	
	Intel® Xeon® processor E3-1220 (4C/4T, 3.10 GHz, TLC: 8 MB, Turbo: 3.40 GHz, 1333 MHz, 80 W)	
	Intel® Xeon® processor E3-1230 (4C/8T, 3.20 GHz, TLC: 8 MB, Turbo: 3.60 GHz, 1333 MHz, 80 W)	
	Intel® Xeon® processor E3-1240 (4C/8T, 3.30 GHz, TLC: 8 MB, Turbo: 3.70 GHz, 1333 MHz, 80 W)	
Memory slots	4	
Memory slot type	DIMM (DDR3)	
Memory capacity (min. - max.)	2 GB - 32 GB	
Memory protection	ECC	
Memory modules	2 GB (1 module(s) 2 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM	
	4 GB (1 module(s) 4 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM	
	8 GB (1 module(s) 8 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM	
Memory modules notes	Only UDIMM (unbuffered) supported	
Interfaces		
USB ports	9 (2x front, 6x rear, 1x internal for backup device)	
Graphics (15-pin)	1 x VGA (ATI ES1000 (64MB) on board)	
Serial 1 (9-pin)	1 x RS232	
LAN / Ethernet (RJ-45)	2 x Gbit/s Ethernet	
I/O controller on board		
Serial ATA total	6	
RAID controller	4 port SATA with RAID 0/1/ 10 for HDDs	
SATA Controller	Intel® C200	
LAN Controller	Intel® 82574L + Intel® 82579LM onboard, 2 x 10/100/1000 Mbit/s Ethernet, PXE-Boot by LAN via PXE-Server, Teaming supported	
Trusted Platform Module (TPM)	Infineon / 1.2 (option)	
Slots		
PCI-Express 2.0 x1 (mech. x4)	1 x notched for x16 cards	
PCI-Express 2.0 x4	1 x notched for x16 cards	
PCI-Express 2.0 x8 (mech. x16)	1 x	
PCI-Express 2.0 x8	1 x	
Drive bays		
Hard disk bay configuration	4x 3.5" easy change SATA	

Drive bays	
Notes accessible drives	2 (1 bay is occupied by DVD/DVD-RW, 3.5-inch)
General software information	
Fan configuration	Silent system fans
Fan notes	Non hot-plug
Operating panel	
Operating buttons	On/off switch
Status LEDs	Power (green)
Operating Systems and Virtualization Software	
Certified or supported operating systems and virtualization software	Microsoft® Microsoft® Hyper-V™ Server 2008 R2
	Microsoft® Windows Server® 2008 R2 Datacenter
	Microsoft® Windows Server® 2008 R2 Enterprise
	Microsoft® Windows Server® 2008 R2 Standard
	Microsoft® Windows Server® 2008 R2 Foundation
	Microsoft® Microsoft® Windows Web Server 2008 R2
	Microsoft® Windows® Small Business Server Essentials 2011
	Microsoft® Windows® Small Business Server 2011 Premium Add-On
	Microsoft® Windows® Small Business Server Standard 2011
	Microsoft® Windows® Server 2008 Enterprise
	Microsoft® Windows® Server 2008 Standard
	Novell® SUSE Linux Enterprise Server 11
	Novell® SUSE Linux Enterprise Server 10
	Red Hat® Enterprise Linux 6
	Red Hat® Enterprise Linux 5
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=a9e600b9-e4cb-4f48-aa41-632f69058421
Operating system notes	Support of other Linux derivatives on demand
Server Management	
Standard	ServerView Installation Manager
Server Management notes	Regarding Operating System dependencies and product details for ServerView Suite Software Products see dedicated Product Data sheets.
Dimensions / Weight	
Floor-stand (W x D x H)	175 x 419 x 395 mm
Weight	up to 14 kg
Environmental	
Operating ambient temperature	10 - 35°C
Operating temperature note	ETSI 300 019-2-3 Class 3.1
Operating environment	FTS 04230 Guideline for Data Center (installation locations)
Operating environment Link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe
Noise emission	According to ISO9296
Sound pressure (LpAm)	25 dB(A) (idle)/ 25 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	3.9B (idle)/ 3.9B (operating)
Noise notes / description	Noise values may vary according to configuration
Electrical values	
Power supply configuration	1
Standard power supply output	250 W
Rated voltage range	100 V - 127 V / 200 V - 240 V
Rated frequency range	47 Hz - 63 Hz
Rated current max.	100 V 240 V / 5.0 2.5 A
Rated current in basic configuration	100 V 240 V / 1,5 0,6 A
Active power (min. configuration)	22 W
Active power (max. configuration)	209 W

Electrical values	
Apparent power (max. configuration)	211 VA
Heat emission	752.4 kJ/h (713.1 BTU/h)
Power Supply Notes	Fujitsu patented 0-Watt standby technology (optional).

Compliance	
Germany	GS (planned)
Europe	CE Class A *
USA/Canada	CSA us ULc/us FCC Class A
Global	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)
Japan	VCCI Class A
Australia/New Zealand	C-Tick (AS / NZS CISPR 22 Class A)
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request. * Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
Compliance link	http://sp.ts.fujitsu.com/sites/certificates/

Components

Storage disks	HDD SATA, 3 Gb/s, 2000 GB, 7200 rpm, non hot plug, 3.5-inch, business critical
	HDD SATA, 3 Gb/s, 1000 GB, 7200 rpm, non hot plug, 3.5-inch, business critical
	HDD SATA, 3 Gb/s, 500 GB, 7200 rpm, non hot plug, 3.5-inch, business critical
	HDD SATA, 3 Gb/s, 250 GB, 7200 rpm, non hot plug, 3.5-inch, economic
	HDD SATA, 3 Gb/s, 250 GB, 7200 rpm, non hot plug, 3.5-inch, business critical
Hard disk notes	None of the hard disks for this system are hot-plug. Only SATA HDDs supported.
Backup Drives	DDS Gen5, 36 GB, 3 MB/s, half height, USB 2.0
	DDS Gen6, 80 GB, 6 MB/s, half height, USB 2.0
	RDX Drive, 160 GB, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 2.0
Optical drives	Blu-ray Disc™ Triple Writer, (4x BD-RW; 16x DVD; 40x CD), half height, SATA I
	DVD-ROM, (16xDVD; 48xCD), half height, SATA I
	DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I
RAID Controller	Integrated RAID 5/6 Ctrl., HDD SAS 6 Gb, Fujitsu , 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache, optional BBU (based on LSI SAS2108)
LAN Controller	Ethernet Ctrl. 1 x 1 Gb Intel® Gigabit CT Desktop Adapter
	Ethernet Ctrl. 2 x 1 Gb Fujitsu LAN Adapter D2735-2

Warranty	
Standard Warranty	1 year
Service level	On-site Service (depending on country)
Maintenance and Support Services - the perfect extension	
Recommended Service	7x24, Onsite Response Time: 4h.
Service Lifecycle	5 years
Service Weblink	http://ts.fujitsu.com/Supportservice

More information

Fujitsu platform solutions

In addition to Fujitsu PRIMERGY TX100 S3, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY TX100 S3, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://www.fujitsu.com/PRIMERGY

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/

Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.
For further information see http://ts.fujitsu.com/terms_of_use.html
Copyright © Fujitsu Technology Solutions

Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner

CONTACT
FUJITSU LIMITED

Website: http://ts.fujitsu.com
2011-10-14 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded.
Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.
For further information see http://ts.fujitsu.com/terms_of_use.html
Copyright © Fujitsu Technology Solutions